

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> ( Not for submission under 37 CFR 1.99)	<b>Application Number</b>		10531345	
	<b>Filing Date</b>		2005-04-15	
	<b>First Named Inventor</b>	Cynthia Roberts, et al.		
	<b>Art Unit</b>	3769		
	<b>Examiner Name</b>	Farah, Ahmed M.		
<b>Attorney Docket Number</b>		OSU 0010 PA/41096.25		

U.S. PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S. PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS							Remove	
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> j	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button.

Add

NON-PATENT LITERATURE DOCUMENTS			Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>

Receipt date: 03/16/2011

Application Number	10531345	10531345 - GAU: 3769
Filing Date	2005-04-15	
First Named Inventor	Cynthia Roberts, et al.	
Art Unit	3769	
Examiner Name	Farah, Ahmed M.	
Attorney Docket Number	OSU 0010 PA/41096.25	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

1	10/539,181 - Office Action mailed 2011/03/07 (9 pages)	<input type="checkbox"/>
2	Amm M et al., Refractive changes after phototherapeutic keratectomy, J Cataract Refract Surg. 1997; 23:839-844.	<input type="checkbox"/>
3	Biswell R, Cornea In: Vaughn DG, Asbury T, Riordan-Eva P, eds. General Ophthalmology. Norwalk, CT: Appieton & Lange, 1992: 125.	<input type="checkbox"/>
4	Bogan SJ et al., Classification of normal corneal topography based on computer-assisted videokeratography, Archives of Ophthalmology, 108(7):945-9, 1990.	<input type="checkbox"/>
5	Bryant MR et al., Finite element analysis of corneal topographic changes after excimer laser phototherapeutic keratectomy, Invest Ophthalmol Vis Sci 1993; 31 (suppl):804.	<input type="checkbox"/>
6	Bryant MR et al., Mathematical models of picosecond laser keratomileusis for high myopia, Journal of Refractive Surgery, vol. 16, 2000, p. 155-162.	<input type="checkbox"/>
7	Campos M et al., Clinical follow-up of phototherapeutic keratectomy for treatment of corneal opacities, Am J Ophthalmol. 1993; 115:433-440.	<input type="checkbox"/>
8	Dupps WJ, Chemo-mechanical modification of the corneal response to photokeratectomy [dissertation]. Columbus (OH): The Ohio State University, 1998.	<input type="checkbox"/>
9	Dupps WJ, Peripheral stromal expansion and anterior corneal flattening in phototherapeutic keratectomy: an in vitro human study [thesis], Columbus (OH): The Ohio State University, 1995.	<input type="checkbox"/>
10	Ehlers N, Studies on the hydration of the cornea with special reference to the acid hydration, Acta Ophthalmol. 1966; 44:924-925.	<input type="checkbox"/>
11	Ehlers N, The fibrillary texture and the hydration of the cornea, Acta Ophthalmol 1966; 44:620-630.	<input type="checkbox"/>

Receipt date: 03/16/2011

Application Number	10531345	10531345 - GAU: 3769
Filing Date	2005-04-15	
First Named Inventor	Cynthia Roberts, et al.	
Art Unit	3769	
Examiner Name	Farah, Ahmed M.	
Attorney Docket Number	OSU 0010 PA/41096.25	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Not for submission under 37 CFR 1.99)

12	Fagerholm P et al., Phototherapeutic keratectomy: long-term results in 166 eyes, Refract Corneal Surg. 1993; 9(suppl): S76-81.	<input type="checkbox"/>
13	Fahd AK, Effects of phototherapeutic keratectomy on peripheral corneal thickness [ARVO Abstract]. Invest Ophthalmol Vis Sci. 1996; 37(3):S568 nr 2609.	<input type="checkbox"/>
14	Gartry D et al., Excimer laser treatment of corneal surface pathology: a laboratory and clinical study, Br J Ophthalmol. 1991; 75:258-269.	<input type="checkbox"/>
15	Gilbert ML et al., Corneal flattening by shallow circular trephination in human eye bank eyes, Refract Corneal Surg 1990; 6:113-116.	<input type="checkbox"/>
16	Gilbert ML et al., Human corneal steepening by annular keratotomy, Invest Ophthalmol Vis Sci 1989; 30(suppl):186.	<input type="checkbox"/>
17	Hahn TW et al., Phototherapeutic keratectomy in 9 eyes with superficial corneal diseases, Refract Corneal Surg. 1993; 9(suppl): S115-118.	<input type="checkbox"/>
18	Hanna KD et al., Preliminary computer simulation of the effects of radial keratotomy, Arch Ophthalmol 1989; 107:911-918.	<input type="checkbox"/>
19	Hedbys BO et al., A new method for the determination of the swelling pressure of the corneal stroma in vitro, Exp Eye Res 1963; 2:122-129.	<input type="checkbox"/>
20	Hedbys BO et al., Flow of water in the corneal stroma, Exp Eye Res 1962; 1:262-275.	<input type="checkbox"/>
21	Hedbys BO et al., The imbibition pressure of the corneal stroma, Exp Eye Res 1963; 2:99-111.	<input type="checkbox"/>
22	Hee MR et al., Quantitative assessment of macular edema with optical coherence tomography, Arch Ophthalmology 1995; 113: 1019-1029.	<input type="checkbox"/>

Receipt date: 03/16/2011

Application Number	10531345	10531345 - GAU: 3769
Filing Date	2005-04-15	
First Named Inventor	Cynthia Roberts, et al.	
Art Unit	3769	
Examiner Name	Farah, Ahmed M.	
Attorney Docket Number	OSU 0010 PA/41096.25	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

23	Hee MR et al., Optical coherence tomography for ophthalmic imaging, IEEE Engineering in Medicine and Biology 1995; 14: 67-76.	<input type="checkbox"/>
24	Hee MR et al., Topography of diabetic macular edema with optical coherence tomography, Ophthalmology, 1998, Vol. 15, 2: 360-370.	<input type="checkbox"/>
25	Hersh PS et al., Phototherapeutic keratectomy: strategies and results in 12 eyes, Refract Corneal Surg. 1993; 9 (suppl):S90-95.	<input type="checkbox"/>
26	Hjortdal JO, Region elastic performance of the human cornea, Journal of Biomechanics (1996) 29, 931-942.	<input type="checkbox"/>
27	Huang D et al., Optical coherence tomography, Science 1991; 254: 1178-1181.	<input type="checkbox"/>
28	Izatt, J et al., Micrometer-Scale Resolution Imaging of the Anterior Eye in Vivo with Optical Coherence Tomography, Arch Ophthalmol, vol. 112, Dec. 1994 (6 pages)	<input type="checkbox"/>
29	Jakus MA, The fine structure of the human cornea, In: Smelser GK, ed, The Structure of the Eye, New York, NY: Academic Press, 1961.	<input type="checkbox"/>
30	Jue B, et al., The mechanical properties of the rabbit and human cornea, J Biomechanics 1996; 19:847-853.	<input type="checkbox"/>
31	Kanai A et al., Electron microscopic studies of swollen corneal stroma, Ann Ophthalmol 1973; 5:178-190.	<input type="checkbox"/>
32	Klyce SD et al., In vivo determination of corneal swelling pressure, Exp EyeRes 1971; 11:220-229.	<input type="checkbox"/>
33	Koers DM, The measurement of human corneal thickness by photography [master's thesis]. Columbus, OH: The Ohio State University; 1982.	<input type="checkbox"/>

Receipt date: 03/16/2011

Application Number	10531345	10531345 - GAU: 3769
Filing Date	2005-04-15	
First Named Inventor	Cynthia Roberts, et al.	
Art Unit	3769	
Examiner Name	Farah, Ahmed M.	
Attorney Docket Number	OSU 0010 PA/41096.25	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

34	Lembach, poster presentation, The Refractive Effect of the Flap in Laser in situ keratomileusis (LASIK), 2001	<input type="checkbox"/>
35	Lindstrom RL et al., Six-month results of hyperopic and stigmatic LASIK in eyes with primary and secondary hyperopia, Tr AM Ophth Soc 1999, XCVII:241-260.	<input type="checkbox"/>
36	Litwin KL et al., Changes in corneal curvature at different excimer laser ablative depths, Am J Ophthalmol. 1991; 111:382-384.	<input type="checkbox"/>
37	MacRae SM et al., Large optical zone ablation treatment of myopia in the Oregon-Kansas study, Investigative Ophthalmology and Visual Sciences Suppl. 1999; 40(4):S588. [Abstract #3087].	<input type="checkbox"/>
38	Mahmoud AM et al., poster presentation, The Ohio State University Corneal Topography Tool. Abstract, Invest Ophthalmol Vis Sci 2000; 41:S677.	<input type="checkbox"/>
39	Maloney RK, A prototype erodible mask delivery system for the excimer laser, Ophthalmology 1993; 100:542-549.	<input type="checkbox"/>
40	Marshall J et al., An untrastructural study of corneal incisions induced by an excimer laser at 193 nm, Ophthalmol 1985; 92:749-756.	<input type="checkbox"/>
41	Maurice DM et al, Cohesive strength of corneal lamellae, Exp Eye Res 1990; 50:59-63.	<input type="checkbox"/>
42	Maurice DM, The cornea and sclera. In: Davson H, ed, The eye. Vol. 1b: vegetative physiology and biochemistry. Orlando, FL: Academic Press, 1984:1-158.	<input type="checkbox"/>
43	Maurice DM, The movement of fluorescein and water in the cornea, Am J Ophthalmol 1960; 49:1011-1019.	<input type="checkbox"/>
44	McDonnell PJ et al., Phototherapeutic keratectomy with excimer laser for Reis-Buckler's corneal dystrophy, Refract Corneal Surg. 1992; 8:306-310.	<input type="checkbox"/>

Receipt date: 03/16/2011

Application Number	10531345	10531345 - GAU: 3769
Filing Date	2005-04-15	
First Named Inventor	Cynthia Roberts, et al.	
Art Unit	3769	
Examiner Name	Farah, Ahmed M.	
Attorney Docket Number	OSU 0010 PA/41096.25	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

45	Mishima S et al., The effect of normal evaporation on the eye, Exp Eye Res 1961; 1:46-52.	<input type="checkbox"/>
46	Mishima S et al., The permeability of the corneal epithelium and endothelium to water, Exp Eye Res 1967; 6:10-32.	<input type="checkbox"/>
47	O'Brart DPS et al., Treatment of band keratopathy by excimer laser phototherapeutic keratectomy: surgical techniques and long term follow up, Br J Ophthalmol. 1993; 77:702-708.	<input type="checkbox"/>
48	Ömdahl M et al., Treatment of corneal dystrophies with excimer laser, Acta Ophthalmol. 1994; 72:235-240.	<input type="checkbox"/>
49	Pinsky PM et al., A microstructurally-based mechanical model of the human cornea with application to keratotomy, Invest Ophthalmol Vis Sci 1994; 31 (suppl): 1296.	<input type="checkbox"/>
50	Polack FM, Morphology of the cornea, I: study with silver stains, Am J Ophthalmol. 1961; 51:179.	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**EXAMINER SIGNATURE**

Examiner Signature	/Ahmed Farah/ (03/27/2011)	Date Considered	03/27/2011
--------------------	----------------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.